

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L29/08 H04L1/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CACERES R ET AL: "Improving the performance of reliable transport protocols in mobile computing environments"</p> <p>IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, JUNE 1995, USA, vol. 13, no. 5, pages 850-857, XP002248963</p> <p>ISSN: 0733-8716</p> <p>paragraph [0III] - paragraph [00IV]</p> <p>---</p> <p>-/--</p>	1-43

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## ° Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

24 July 2003

Date of mailing of the international search report

10. 08. 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GOFF T ET AL: "Freeze-TCP: a true end-to-end TCP enhancement mechanism for mobile environments"</p> <p>PROCEEDINGS IEEE INFOCOM 2000. CONFERENCE ON COMPUTER COMMUNICATIONS. NINETEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES (CAT. NO.00CH37064), PROCEEDINGS IEEE INFOCOM 2000. CONFERENCE ON COMPUTER COMMUNICATIONS. NINE, pages 1537-1545 vol.3, XP002248964 2000, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-5880-5 paragraph [00II] - paragraph [0III]</p> <p>---</p>	1-43
A	<p>WO 01 97438 A (NOKIA INC)</p> <p>20 December 2001 (2001-12-20)</p> <p>page 6, line 14 -page 8, line 28</p> <p>---</p>	1-43
A	<p>LIN D ET AL: "TCP fast recovery strategies: analysis and improvements"</p> <p>PROCEEDINGS. IEEE INFOCOM '98, THE CONFERENCE ON COMPUTER COMMUNICATIONS. SEVENTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. GATEWAY TO THE 21ST CENTURY (CAT. NO.98CH36169), PROCEEDINGS IEEE INFOCOM'98 CONFERENCE 0, pages 263-271 vol.1, XP002248965 1998, New York, NY, USA, IEEE, USA ISBN: 0-7803-4383-2 paragraph [0004] - paragraph [0005]</p> <p>---</p>	1-43
A	<p>MISRA A ET AL: "The window distribution of idealized TCP congestion avoidance with variable packet loss"</p> <p>IEEE INFOCOM '99. CONFERENCE ON COMPUTER COMMUNICATIONS. PROCEEDINGS. EIGHTEENTH ANNUAL JOINT CONFERENCE OF THE IEEE COMPUTER AND COMMUNICATIONS SOCIETIES. THE FUTURE IS NOW (CAT. NO.99CH36320), PROCEEDINGS OF INFOCOM'99: CONFERENCE ON COMPUTER COMMU, pages 1564-1572 vol.3, XP002248966 1999, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-5417-6 abstract</p> <p>---</p>	1-43
A	<p>EP 0 991 244 A (NORTEL NETWORKS CORP)</p> <p>5 April 2000 (2000-04-05)</p> <p>paragraph [0012]</p> <p>-----</p>	1-43

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/01342

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0197438	A	20-12-2001	AU	6987101 A		24-12-2001
			EP	1295428 A2		26-03-2003
			WO	0197438 A2		20-12-2001
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EP 0991244	A	05-04-2000	EP	0991244 A2		05-04-2000
			JP	2000115232 A		21-04-2000
			US	6493316 B1		10-12-2002
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